OIPE

```
        RAW SEQUENCE LISTING              DATE: 12/05/2001
        PATENT APPLICATION:  US/09/851,138A       TIME: 11:39:07

        Input Set : N:\Crf3\RULE60\09851138A.txt
        Output Set: N:\CRF3\12052001\I851138A.raw

        SEQUENCE LISTING
  4 (1) GENERAL INFORMATION:
  6       (i) APPLICANT: MAERTENS, GEERT
  7                      STUYVER, LIEVEN
  9      (ii) TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
 10                      AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
 11                      AGENTS
 13     (iii) NUMBER OF SEQUENCES: 207
 15      (iv) CORRESPONDENCE ADDRESS:
 16           (A) ADDRESSEE: ARNOLD, WHITE & DURKEE
 17           (B) STREET: P.O. BOX 4433
 18           (C) CITY: HOUSTON
 19           (D) STATE: TEXAS
 20           (E) COUNTRY: USA
 21           (F) ZIP: 77210-4433
 23       (v) COMPUTER READABLE FORM:
 24           (A) MEDIUM TYPE: Floppy disk
 25           (B) COMPUTER: IBM PC compatible
 26           (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 27           (D) SOFTWARE: Microsoft Word 6.0 / ASCII text output
 29      (vi) CURRENT APPLICATION DATA:
C--> 30           (A) APPLICATION NUMBER: US/09/851,138A
C--> 31           (B) FILING DATE: 09-May-2001
C--> 41     (vii) PRIOR APPLICATION DATA:
 34           (A) APPLICATION NUMBER: 08/836,075
 35           (B) FILING DATE: 1998-01-02
 38           (A) APPLICATION NUMBER: EP 94870166.9
 39           (B) FILING DATE: 21 Oct 1994
 42           (A) APPLICATION NUMBER: EP 95870076.7
 43           (B) FILING DATE: 28 Jun 1995
C--> 45    (viii) ATTORNEY/AGENT INFORMATION:
 46           (A) NAME: KAMMERER, PATRICIA A.
 47           (B) REGISTRATION NUMBER: 29,775
 48           (C) REFERENCE/DOCKET NUMBER: INNS:004
 50 (2) INFORMATION FOR SEQ ID NO: 1:
 52       (i) SEQUENCE CHARACTERISTICS:
 53           (A) LENGTH: 327 base pairs
 54           (B) TYPE: nucleic acid
 55           (C) STRANDEDNESS: single
 56           (D) TOPOLOGY: linear
 58      (ii) MOLECULE TYPE: cDNA
 60     (iii) HYPOTHETICAL: NO
C--> 62      (iv) ANTI-SENSE: NO
 67      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 69 ATGAGCACGA ATCCTAAACC TCAAAGAAAA ACCAAACGTA ACACCAACCG CCGCCCTCAK        60
 71 GGSGTNNNNN NNCCGGGTGG CGGTCAGATC GTTGGTGGAG TTTACCTGTT GCCGCGCAGG       120
 73 GGCCCCAGGN NGGGTGTGCG CGCGACTAGG AAGACTTCCG AGCGGTCACA ACCTCGTGGC       180
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RAW SEQUENCE LISTING   DATE: 12/05/2001
PATENT APPLICATION: US/09/851,138A   TIME: 11:39:07

Input Set : N:\Crf3\RULE60\09851138A.txt
Output Set: N:\CRF3\12052001\I851138A.raw

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 75 AGGCGACAGC CTATCCCCAA GGCTCGYCGG YCCGAGGGCA GGTCCTGGGC TCAGCCCGGG    240
 77 TATCCTTGGC CCCTCTATGG CAATGAGGGC TGCGGGTGGG CGGGNTGGCT CCTGTCCCCC    300
 79 CGCGGCTCTC GGCCCAATTG GGGCCCC                                        327
 81 (2) INFORMATION FOR SEQ ID NO: 2:
 83      (i) SEQUENCE CHARACTERISTICS:
 84          (A) LENGTH: 109 amino acids
 85          (B) TYPE: amino acid
 86          (D) TOPOLOGY: linear
 88     (ii) MOLECULE TYPE: peptide
 92     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 94      Met Ser Thr Asn Pro Lys Pro Gln Arg Lys Thr Lys Arg Asn Thr Asn
 95      1               5               10              15
```
W--> 97   Arg Arg Pro Xaa Xaa Xaa Xaa Xaa Pro Gly Gly Gly Gln Ile Val Gly
```
 98                      20              25              30
```
W--> 100   Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Xaa Gly Val Arg Ala
```
101              35              40              45
103      Thr Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro
104              50              55              60
```
W--> 106   Ile Pro Lys Ala Xaa Arg Xaa Glu Gly Arg Ser Trp Ala Gln Pro Gly
```
107      65              70              75              80
```
W--> 109   Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Cys Gly Trp Ala Xaa Trp
```
110                      85              90              95
112      Leu Leu Ser Pro Arg Gly Ser Arg Pro Asn Trp Gly Pro
113                      100             105
115 (2) INFORMATION FOR SEQ ID NO: 3:
117      (i) SEQUENCE CHARACTERISTICS:
118          (A) LENGTH: 447 base pairs
119          (B) TYPE: nucleic acid
120          (C) STRANDEDNESS: single
121          (D) TOPOLOGY: linear
123     (ii) MOLECULE TYPE: cDNA
125    (iii) HYPOTHETICAL: NO
```
C--> 127   (iv) ANTI-SENSE: NO
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131     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
133 GACGGCGTGA ACTATGCAAC AGGGAACTTG CCCGGTTGCT CTTTCTCTAT CTTCCTCTTG    60
135 GCTTTGCTGT CCTGCTTGAC GGTTCCAACK ACCGCTCACG AGGTGCGCAA CGCATCCGGG   120
137 GTGTATCATG TCACCAACGA CTGTTCCAAC TCGAGCATCA TCTATGAGAT GGACGGTATG   180
139 ATCATGCACT ACCCAGGGTG CGTGCCCTGC GTTCGGGAGG ATAACCATCT CCGCTGCTGG   240
141 ATGGCGCTCA CCCCCACGCT TGCGGTCAAA AAYGCTAGTG TCCCCACTRC GGCAATCCGA   300
143 CGTCACGTCG ACTTGCTTGT TGGGGGNNCC ACGTTCTGTT CCGCTATGTA CGTGGGRGAC   360
145 CTTTGCGGGT CTGTCTTCCT CGCTGGCCAG CTATTCACCT TTTCACCCCG CATGCACCAT   420
147 ACAACGCAGG AGTGCAACTG CTCAATC                                       447
149 (2) INFORMATION FOR SEQ ID NO: 4:
151      (i) SEQUENCE CHARACTERISTICS:
152          (A) LENGTH: 149 amino acids
153          (B) TYPE: amino acid
154          (D) TOPOLOGY: linear
156     (ii) MOLECULE TYPE: peptide
160     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
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RAW SEQUENCE LISTING   DATE: 12/05/2001
PATENT APPLICATION: US/09/851,138A   TIME: 11:39:07

Input Set : N:\Crf3\RULE60\09851138A.txt
Output Set: N:\CRF3\12052001\I851138A.raw

```
      162        Asp Gly Val Asn Tyr Ala Thr Gly Asn Leu Pro Gly Cys Ser Phe Ser
      163        1               5                  10              15
W--> 165        Ile Phe Leu Leu Ala Leu Leu Ser Cys Leu Thr Val Pro Xaa Thr Ala
      166                20                  25                  30
      168        His Glu Val Arg Asn Ala Ser Gly Val Tyr His Val Thr Asn Asp Cys
      169                35                  40                  45
      171        Ser Asn Ser Ser Ile Ile Tyr Glu Met Asp Gly Met Ile Met His Tyr
      172                50                  55                  60
      174        Pro Gly Cys Val Pro Cys Val Arg Glu Asp Asn His Leu Arg Cys Trp
      175        65                  70                  75                  80
W--> 177        Met Ala Leu Thr Pro Thr Leu Ala Val Lys Xaa Ala Ser Val Pro Thr
      178                        85                  90                  95
W--> 180        Xaa Ala Ile Arg Arg His Val Asp Leu Leu Val Gly Xaa Xaa Thr Phe
      181                    100                 105                 110
W--> 183        Cys Ser Ala Met Tyr Val Xaa Asp Leu Cys Gly Ser Val Phe Leu Ala
      184                115                 120                 125
      186        Gly Gln Leu Phe Thr Phe Ser Pro Arg Met His His Thr Thr Gln Glu
      187                130                 135                 140
      189        Cys Asn Cys Ser Ile
      190        145
      192  (2)  INFORMATION FOR SEQ ID NO: 5:
      194        (i)  SEQUENCE CHARACTERISTICS:
      195              (A)  LENGTH: 327 base pairs
      196              (B)  TYPE: nucleic acid
      197              (C)  STRANDEDNESS: single
      198              (D)  TOPOLOGY: linear
      200        (ii)  MOLECULE TYPE: cDNA
      202        (iii)  HYPOTHETICAL: NO
C--> 204        (iv)  ANTI-SENSE: NO
      208        (xi)  SEQUENCE DESCRIPTION: SEQ ID NO: 5:
      210 ATGAGCACGA ATCCTAAACC TCAAAGAAAA ACCAAACGTA ACACCAACCG CCGCCCACAG        60
      212 GACGTCAAGN TCCCGGGTGG TGGTCAGATC GTTGGTGGAG TTTACCTGTT GCCGCGCAGG       120
      214 GGCCCCAGGT TGGGTGTGCG CGCGACCAGG AAGACTTCCG AGCGGTCGCA GCCTCGTGAC       180
      216 AGGCGACAGC CTATTCCTAA GGCTCGCCAG TCCGATGGCA GNNCCTGGGC TCAGCCAGGG       240
      218 CATCCCTGGC CCCTCTATGG CAATGAGGGC TGCGGATGGG CGGGATGGCT CCTGTCCCCC       300
      220 CGCGGCTCTC GGCCCAGTTG GGGCCCC                                           327
      222  (2)  INFORMATION FOR SEQ ID NO: 6:
      224        (i)  SEQUENCE CHARACTERISTICS:
      225              (A)  LENGTH: 109 amino acids
      226              (B)  TYPE: amino acid
      227              (D)  TOPOLOGY: linear
      229        (ii)  MOLECULE TYPE: peptide
      233        (xi)  SEQUENCE DESCRIPTION: SEQ ID NO: 6:
      235        Met Ser Thr Asn Pro Lys Pro Gln Arg Lys Thr Lys Arg Asn Thr Asn
      236        1               5                  10                  15
W--> 238        Arg Arg Pro Gln Asp Val Lys Xaa Pro Gly Gly Gly Gln Ile Val Gly
      239                20                  25                  30
      241        Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val Arg Ala
      242                35                  40                  45
```

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          Input Set : N:\Crf3\RULE60\09851138A.txt
          Output Set: N:\CRF3\12052001\I851138A.raw

     244    Thr Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Asp Arg Arg Gln Pro
     245        50              55              60
W--> 247    Ile Pro Lys Ala Arg Gln Ser Asp Gly Xaa Xaa Trp Ala Gln Pro Gly
     248    65              70              75              80
     250    His Pro Trp Pro Leu Tyr Gly Asn Glu Gly Cys Gly Trp Ala Gly Trp
     251                    85              90              95
     253    Leu Leu Ser Pro Arg Gly Ser Arg Pro Ser Trp Gly Pro
     254                100             105
     256  (2) INFORMATION FOR SEQ ID NO: 7:
     258      (i) SEQUENCE CHARACTERISTICS:
     259          (A) LENGTH: 447 base pairs
     260          (B) TYPE: nucleic acid
     261          (C) STRANDEDNESS: single
     262          (D) TOPOLOGY: linear
     264      (ii) MOLECULE TYPE: cDNA
     266      (iii) HYPOTHETICAL: NO
C--> 268      (iv) ANTI-SENSE: NO
     272      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
     274  GACGGCGTGA ACTATGCAAC AGGGAATTTG CCTGGTTGCT CTTTCTCTAT CTTCCTCTTA       60
     276  GCTTTTCTGT CCTGCTTGAC GGTTCCAACT ACCGCTCATG AGGTGCGCAA CGCATCCGGG      120
     278  GTATATCATC TCACCAATGA CTGTTCCAAC TCGAGCATCA TCTATGAGAT GAGTGGTATG      180
     280  ATCTTGCACG CCCCAGGGTG TGTGCCCTGC GTTCGGGAGA ACAACTCTTC TCGTTGCTGG      240
     282  ATGCCRCTCA CCCCCACGCT TGCGGTCAAA GACGCTAATG TCCCTACTGC GGCAATCCGA      300
     284  CGCCATGTCG ACTTGCTGGT TGGGACAGCC GCGTTTCGTT CCGCTATGTA CGTGGGGGAC      360
     286  CTCTGCGGAT CCGTCTTCCT TGTCGGCCAG CTATTCACCT TTTCACCCCG CTTGTACCAT      420
     288  ACAACACAGG AGTGCAACTG CTCAATC                                          447
     290  (2) INFORMATION FOR SEQ ID NO: 8:
     292      (i) SEQUENCE CHARACTERISTICS:
     293          (A) LENGTH: 149 amino acids
     294          (B) TYPE: amino acid
     295          (D) TOPOLOGY: linear
     297      (ii) MOLECULE TYPE: peptide
     301      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
     303    Asp Gly Val Asn Tyr Ala Thr Gly Asn Leu Pro Gly Cys Ser Phe Ser
     304    1               5               10              15
     306    Ile Phe Leu Leu Ala Phe Leu Ser Cys Leu Thr Val Pro Thr Thr Ala
     307                20              25              30
     309    His Glu Val Arg Asn Ala Ser Gly Val Tyr His Leu Thr Asn Asp Cys
     310                35              40              45
     312    Ser Asn Ser Ser Ile Ile Tyr Glu Met Ser Gly Met Ile Leu His Ala
     313                50              55              60
     315    Pro Gly Cys Val Pro Cys Val Arg Glu Asn Asn Ser Ser Arg Cys Trp
     316    65              70              75              80
W--> 318    Met Xaa Leu Thr Pro Thr Leu Ala Val Lys Asp Ala Asn Val Pro Thr
     319                85              90              95
     321    Ala Ala Ile Arg Arg His Val Asp Leu Leu Val Gly Thr Ala Ala Phe
     322                100             105             110
     324    Arg Ser Ala Met Tyr Val Gly Asp Leu Cys Gly Ser Val Phe Leu Val
     325                115             120             125
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RAW SEQUENCE LISTING   DATE: 12/05/2001
PATENT APPLICATION: US/09/851,138A   TIME: 11:39:07

Input Set : N:\Crf3\RULE60\09851138A.txt
Output Set: N:\CRF3\12052001\I851138A.raw

```
327      Gly Gln Leu Phe Thr Phe Ser Pro Arg Leu Tyr His Thr Thr Gln Glu
328           130                 135                 140
330      Cys Asn Cys Ser Ile
331       145
333 (2) INFORMATION FOR SEQ ID NO: 9:
335      (i) SEQUENCE CHARACTERISTICS:
336           (A) LENGTH: 223 base pairs
337           (B) TYPE: nucleic acid
338           (C) STRANDEDNESS: single
339           (D) TOPOLOGY: linear
341      (ii) MOLECULE TYPE: cDNA
343      (iii) HYPOTHETICAL: NO
C--> 345      (iv) ANTI-SENSE: NO
349      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
351 ATGAGCACGA ATCCTAAACC TCAAAGAAAA ACCAAAAGAA ACACCAACCG CCGCCCACAG        60
353 GACGTCAAGT TCCCGGGCGG TGGCCAGATC GTTGGTGGAG TCTACGTGCT ACCGCGCAGG       120
355 GGCCCTAGAT TGGGTGTGCG CGCAGCGCGG AAGACTTCGG AGCGGTCGCA ACCTCGTGGG       180
357 AGGCGCCAAC CTATTCCCAA GGAGCGCCGA CCCGAGGGCA GGT                         223
359 (2) INFORMATION FOR SEQ ID NO: 10:
361      (i) SEQUENCE CHARACTERISTICS:
362           (A) LENGTH: 74 amino acids
363           (B) TYPE: amino acid
364           (D) TOPOLOGY: linear
366      (ii) MOLECULE TYPE: peptide
370      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
372      Met Ser Thr Asn Pro Lys Pro Gln Arg Lys Thr Lys Arg Asn Thr Asn
373      1                 5                 10                15
375      Arg Arg Pro Gln Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly
376                     20                 25                30
378      Gly Val Tyr Val Leu Pro Arg Arg Gly Pro Arg Leu Gly Val Arg Ala
379                35                 40                 45
381      Ala Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro
382           50                 55                 60
384      Ile Pro Lys Glu Arg Arg Pro Glu Gly Arg
385      65                 70
387 (2) INFORMATION FOR SEQ ID NO: 11:
389      (i) SEQUENCE CHARACTERISTICS:
390           (A) LENGTH: 957 base pairs
391           (B) TYPE: nucleic acid
392           (C) STRANDEDNESS: single
393           (D) TOPOLOGY: linear
395      (ii) MOLECULE TYPE: cDNA
397      (iii) HYPOTHETICAL: NO
C--> 399      (iv) ANTI-SENSE: NO
403      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
405 ATGAGCACGA ATCCTAAACC TCAAAGAAAA ACCAAACGCA ACACCAACCG CCGCCCACAG        60
407 GACGTTAAAT TCCCGGGTGG GGGGCAGATC GTGGGTGGAG TTTACTTGTT GCCGCGCAGG       120
409 GGCCCCAGGT TGGGTGTGCG CGCGACGAGG AAGACTTCCG AGCGGTCGCA ACCTCGCGGA       180
411 AGGCGACAGC CTATCCCCAA GGCTCGCCGA CCCGAGGGCA GGTCCTGGGC TCAGCCTGGG       240
```

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                    VERIFICATION SUMMARY              DATE: 12/05/2001
                    PATENT APPLICATION:  US/09/851,138A    TIME: 11:39:08

                    Input Set : N:\Crf3\RULE60\09851138A.txt
                    Output Set: N:\CRF3\12052001\I851138A.raw

L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:41 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]
L:45 M:220 C: Keyword misspelled or invalid format, [(viii) ATTORNEY/AGENT INFORMATION:]
L:62 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:127 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:204 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:268 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:345 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:399 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:522 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:586 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:625 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:676 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:751 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:784 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:799 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:876 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:929 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1006 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1073 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:1140 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:1217 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
```

VERIFICATION SUMMARY   DATE: 12/05/2001
PATENT APPLICATION: US/09/851,138A   TIME: 11:39:08

Input Set : **N:\Crf3\RULE60\09851138A.txt**
Output Set: **N:\CRF3\12052001\I851138A.raw**

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L:1294 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1371 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:1409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:1427 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:1430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:1448 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1525 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1602 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:1677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:1710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:1725 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1800 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:1803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:1806 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:1809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:1818 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:1848 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1905 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1920 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1989 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1998 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:2004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:2043 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50
L:2110 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:2187 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2254 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2321 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2388 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2468 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2535 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2602 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2691 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2758 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2825 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2892 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2959 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:3090 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:3157 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:3224 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:3291 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:3358 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
```

VERIFICATION SUMMARY   DATE: 12/05/2001
PATENT APPLICATION: US/09/851,138A   TIME: 11:39:08

Input Set : N:\Crf3\RULE60\09851138A.txt
Output Set: N:\CRF3\12052001\I851138A.raw

L:3425 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:3492 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:3559 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]